Phosphoglucosamine Mutase (glmM) Bacillus Weihenstephanensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphoglucosamine mutase (glmM), Recombinant Protein
Full Product Name	Recombinant Bacillus weihenstephanensis Phosphoglucosamine mutase (glmM)
Product Gene Name	glmM recombinant protein
Sequence	MGKYFGTDGV RGVANKELTP ELAFKIGRFG GYVLTKDTDR PKVIIGRDTR VSGHMLEGAL VAGLLSTGAE VMRLGVISTP GVAYLTKALG AQAGVMISAS HNPVQDNGIK FFGSDGFKLT DEQEAEIEAL LDKEVDELPR PTGTNLGQVS DYFEGGQKYL QYIKQTVEED FSGLHIALDC AHGATSSLAP YLFADLEADI STMGTSPNGM NINAGVGSTH PEVLAELVKE KGADIGLAFD GDGDRLIAVD EKGNIVDGDQ IMFICAKYMK ETGQLKHNTV VSTVMSNLGF YKALEANNIT SDKTAVGDRY VMEEMKRGGY NLGGEQSGHI ILLDYITTGD GMLSALQLVN IMKMTKKPLS ELAGEMTKFP QLLVNVRVTD KKLALENEKI KEIIRVVEEE MNGDGRILVR PSGTEPLIRV MAEAPTQEIC DGYVHRIVEV VKAEVGAE
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	48,358 Da
Sequence Positions	1-448, Full length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for A9VPC3
Species	Bacillus weihenstephanensis (strain KBAB4)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glmM recombinant protein	MBS1245812 is a recombinant protein targeting glmM. Also known as Recombinant Bacillus weihenstephanensis Phosphoglucosamine mutase (glmM). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of glmM recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for glmM. It may not necessarily be applicable to this product.

NCBI GI #	487955972
NCBI Accession #	WP_002029377.1
UniProt Primary Accession #	A9VPC3
GenBank Nucleotide #	WP_002029377.1
NCBI Official Full Name	MULTISPECIES: phosphoglucosamine mutase

UniProt Protein Name	Phosphoglucosamine mutase
Protein Family	Phosphoglucosamine mutase
UniProt Gene Name	glmM
UniProt Comments for glmM	Catalyzes the conversion of glucosamine-6-phosphate to glucosamine-1-phosphate.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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